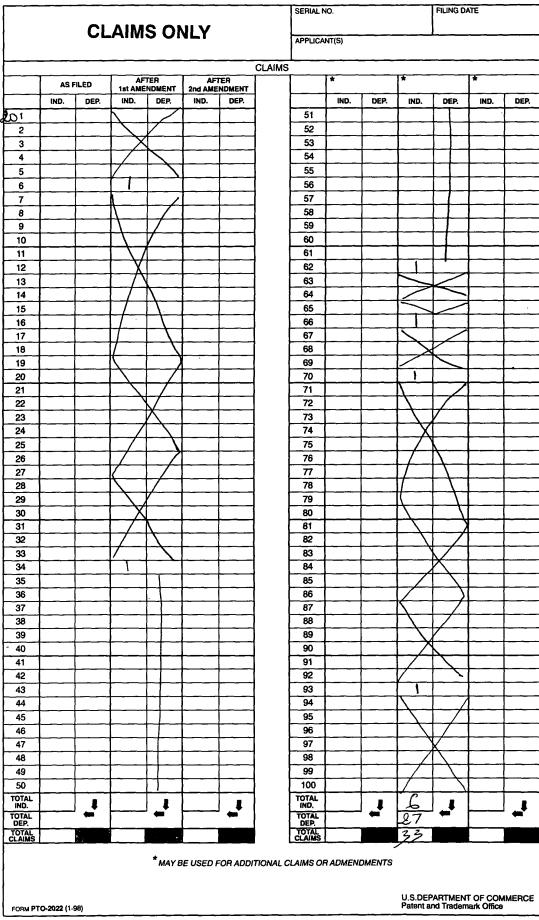
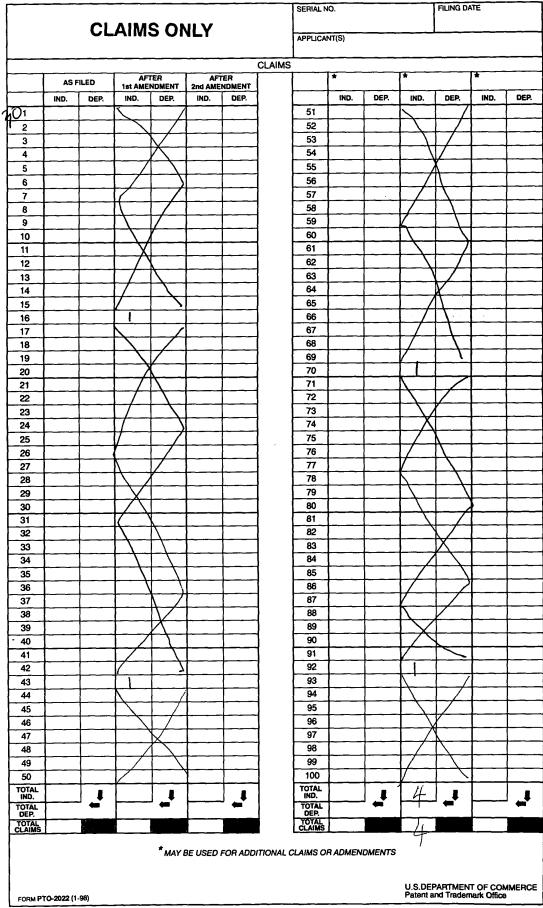
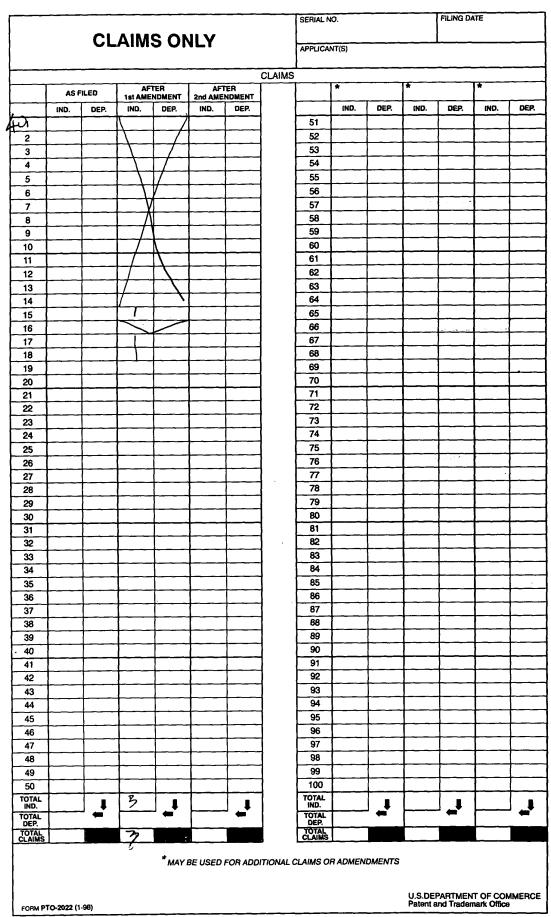
							SERIAL NO. FILING DAT					TE				
CLAIMS ONLY																
OLAMO ONLI								APPLICANT(S)								
							CLAIMS	L								
	AS EU ED AFTER AFTER							*			*		*			
	IND.	DEP.	IND.	DEP.	2nd AME	DEP.	}		IND.	DEP.	IND.	DEP.	IND.	DEP.		
1			1					51					 -			
2			7					52								
3				\Box				53								
4			- 	_/_				54			ļ	 	ļ			
5 6			 	/ -			}	55 56			 	 				
7			 	/				57			 					
8								58								
9			/_	1				59				L				
10			/_	1				60 61				H		 		
11			/	-				62			 	 	 			
13			/	-				63					 			
14								64								
15			4	1				65			 	H		 		
16 17			1					66 67			 	H	}	 		
18			1					68								
19								69								
20			\mathcal{I}	\mathcal{I}_{-}				70								
21			\					71			 	H	ļ			
22 23			· · · ·	\				72 73			 	H	ļ			
24				λ				74			 	 	·			
25								75								
26			1	-				76				1				
27			/-	1				77 78								
28 29			 / -	-				79				 				
30			/-	/				80			 					
31								81								
32			 	L- <i> </i>				82			 	1		 		
33 34			 -	<i></i>				83 84				ļ				
35			\	H				85		/	\	-/				
36			 	/		L		86		1	/	/				
37							}	87				/				
38			1 - 1					88				/	ļ			
39			 	 	 		}	89 90			 \ /			 		
41			├				}	91			 X		 			
42]	92								
43			$\Box \Box$					93			LI	Λ]		
44			-/\	<u> </u>				94				 \ 				
45 46			 	\				95 96		L	 /	 \	 -	 		
47			 	1			1 1	97			 					
48				7]	98			/					
49			¥	1				99			/	1				
50 TOTAL			 	 	ļ			100 TOTAL	 		2	 				
IND.			L			_1		IND.		1	3 29		<u> </u>			
TOTAL DEP.			<u> </u>					TOTAL DEP.					L			
TOTAL CLAIMS	L			•	ئــــا			TOTAL CLAIMS	لــــا		32		Ц			
*MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS																
Tw. 22 TSTal. 78 U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office																
}					٣	T00	_	70			U.S.DEP	ARTMEN	T OF CON	MEDCE		
FORM DT	FORM PTO-2022 (1-98)									U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office						

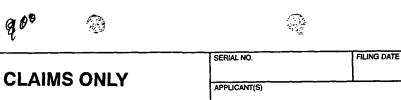
U1 51 2 52 3 4 5 55 6 54 5 56 6 56 7 57 8 59 9 60 10 60 11 60 12 62 13 63 14 64 15 66 16 66 16 66 17 68 19 70 21 71 22 72 23 74 24 75 28 75 28 75 28 75 29 77 20 77 22 77 28 75 29 77 20 77 21 72 22 73									SERIAL NO.					FILING DATE			
NO DEP DEP NO DEP	CLAIMS ONLY								APPLICANT(S)								
AS PILED NO. DEP. DEP. DEP. DEP. DEP. DEP. DEP. DEP								CLAIMS									
NO. OEP NO.		AS F	ILED			AFTER						*		*			
2		IND.	OEP.							IND.	DEP.	IND.	DEP.	IND.	DEP.		
\$\frac{3}{4}\$ \$\frac{4}{5}\$ \$\frac{5}{5}\$ \$\frac{6}{6}\$ \$\frac{7}{7}\$ \$\frac{8}{8}\$ \$\frac{9}{9}\$ \$\frac{10}{10}\$ \$\frac{11}{11}\$ \$\frac{1}{12}\$ \$\frac{12}{12}\$ \$\frac{12}{12}\$ \$\frac{12}{13}\$ \$\frac{14}{14}\$ \$\frac{14}{14	01			N]	51			۸	/				
4	2				/_							1	/	 			
5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		L	<u> </u>	1-1		 		1				1-7-	/	 -			
6 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			ļ		 	 	 					\longrightarrow	{				
7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		 -	 	1	l <i>-</i> /	 	 -	•				-/-	\	 			
S 9 58 59 59 59 59 59 50 59 50 50		 	 	 \ -	 /		 	ł				 /	-/	 	 		
9			 	 	/ -	 		1				1	 	l			
10 11 11 12 13 13 14 14 15 16 16 17 17 18 18 19 20 20 27 21 21 22 23 24 74 74 75 25 26 27 77 78 29 29 30 31 31 31 31 31 31 31 31 31 31 31 31 31		 	 	 ₩			 	1	_			/	/				
12 13 14 14 15 15 16 16 17 17 18 19 20 21 21 22 70 21 71 71 71 72 22 72 72 23 24 74 74 75 75 76 77 78 79 90 30 30 31 31 31 31 32 33 34 34 34 35 36 37 38 38 38 38 38 39 40 40 40 40 90 40 41 11 91 11 1		 	 	1 1			·	1	60				1				
13 14 14 15 15 16 16 17 17 18 19 20 20 20 70 71 21 21 22 23 23 74 74 25 26 77 77 27 28 8 78 79 30 30 80 80 31 31 31 31 31 31 31 31 31 31 31 31 31				1					61			\sum					
14	12] .	62				/_				
15				$\perp \mathcal{I}$	1	<u> </u>						<u> </u>	V		ļ		
16			ļ	 	1	ļ					L	ļ	Λ				
177 18 19 19 20 21 21 21 22 23 73 73 74 74 75 26 27 77 77 78 8 90 30 30 30 31 31 31 31 31 31 32 32 33 34 34 44 45 40 40 40 40 40 40 40 41 41 41 41 41 41 41 41 41 41 41 41 41		 		 /	 	 -	 -					 /	1	ļ			
18				 /	 \ -	 		1				 /	 \				
19			 -	 		 	 	1				k'	 				
20		 		17	 `	 	 					1	/		l		
21				<u> </u>		 -	ļ	[]	70								
23		l						1	71				V				
24	22					l		}						ļ			
25				/,		L	ļ	1					1	 			
26					 -	 -	ļ					-/	 /	 -	├		
27				\	/	 	 	}				/	 / -	 	}		
28		}	 	\longrightarrow		 	 					K	/	 	 		
29			 		1	 			_				/		 		
30			1	1			1		79			X					
32 33 34 34 35 36 36 37 38 38 39 40 41 41 42 42 43 43 44 44 44 44 45 46 47 47 48 48 49 50 TOTAL DEP TOTAL CLAIMS 82 83 83 84 84 84 84 84 85 86 96 96 100 TOTAL IND. TOTAL DEP TOTAL CLAIMS 82 83 83 84 84 84 84 85 86 97 98 99 100 TOTAL IND. TO		†	1]	80			/					
33 34 35 36 36 37 38 38 39 40 40 41 41 42 43 43 44 44 45 46 47 48 48 49 96 47 48 49 96 100 100 101AL IND. TOTAL IDEP. TOTAL IDEP. TOTAL IDEP. TOTAL IDEP. TOTAL IDEP. TOTAL IDEP. TOTAL ICLAIMS GLAIMS												<u> </u>			L		
34 35 36 36 37 38 38 39 40 40 41 42 42 43 43 44 45 46 46 47 48 48 49 90 100 100 100 1010L			<u> </u>	/	1	<u> </u>	ļ	1				11	 ,	 -	 		
35 36 37 38 38 39 40 41 41 42 42 43 44 44 44 45 46 46 47 48 48 49 50 100 100 100 100 100 100 100 100 100		ļ	 	<u> </u>	-	ļ	 	}					 /	 -			
36				\vdash	 		 	1				 \	 / 	 	 		
37 38 39 40 40 90 91 41 42 92 43 44 44 45 95 46 47 98 99 99 99 99 99 99 99 100 100 100 100 10		 				 	 	{				 \	 / 	 	 		
38			 			 	 	1					//	<u> </u>	 		
40		 		1	/			1	88				X				
41 42 43 43 44 45 46 47 48 49 99 99 100 100 101 101 101 101 101 101	39			Γ]				1	\Box	L			
42 43 44 45 46 47 48 49 99 99 97 48 49 99 100 TOTAL IND. TOTAL IND. TOTAL ODEP. TOTAL CLAIMS CLAIMS 92 93 94 94 95 96 47 97 100 TOTAL TOT								į			L	1/	$\vdash \nearrow$	<u> </u>	<u> </u>		
43 44 45 46 47 48 99 99 97 48 49 99 100 TOTAL IND. TOTA		ļ	ļ	1	 		<u> </u>	1			 	//	+	 -	 		
44 45 46 46 47 48 49 99 99 100 TOTAL IND. TO		 	 	 \	 /			1			 	A	+	 	 		
45 46 47 48 99 99 99 100 TOTAL IND. TOTAL IND. TOTAL DEP. TOTAL CLAIMS CLAIMS 95 100 TOTAL CLAIMS CLAIMS			 	 	//	 		1		 		+	1	1	 		
46 47 48 99 99 100 TOTAL IND. TOT		 		 	 	 	 	1	<u> </u>	 	 	1-	 /	 	 		
47 48 49 49 50 100 TOTAL IND. TOTAL IND. TOTAL CLAIMS 97 98 99 100 TOTAL IND. TOTAL IND. TOTAL IND. TOTAL CLAIMS CLAIMS		 	 	 	 	 	 	1				1-	1/	 	†		
48 49 50 100 TOTAL IND. TOTAL IND. TOTAL OEP. TOTAL CLAIMS TOTAL CLAIMS TOTAL CLAIMS		 	 	 	1	1	1	1	97			Γ	V				
TOTAL IND. TOTAL IND. TOTAL DEP. TOTAL CLAIMS TOTAL CLAIMS					\Box]					1				
TOTAL IND. TOTAL ODEP. TOTAL CLAIMS TOTAL CLAIMS TOTAL CLAIMS				1/	T		ļ	1				1_/	17	 	 		
IND. TOTAL DEP. TOTAL CLAIMS CLAIMS		<u> </u>	ļ	<u> </u>	1 7		ļ	-			ļ	<u> </u>	1	 	 		
TOTAL DEP. TOTAL CLAIMS CLAIMS CLAIMS	IND.		1					}	IND.			8		L			
TOTAL CLAIMS CLAIMS	DEP.		-		-		400	1	DEP.		-						
	TOTAL							1	TOTAL CLAIMS			C					
U.S.DEPARTMENT OF COMMER Patent and Trademark Office		***************************************			*MAY I	BE USED I	FOR ADD	- ITIONAL C		R ADMEN	DMENTS		PARTMEN	T OF COM	MERCE		





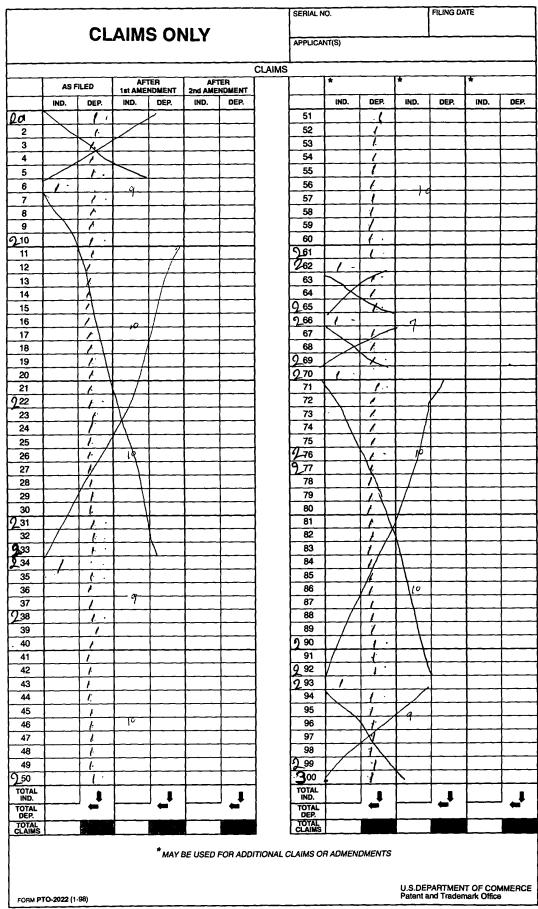


FORM PTO-2022 (1-98)



*MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office



FILING DATE SERIAL NO. **CLAIMS ONLY** APPLICANT(S) CLAIMS AFTER 1st AMENDMENT AFTER 2nd AMENDMENT AS FILED IND. IND. DEP. IND. DEP. IND. DEP. IND. DEP. DEP. IND. DEP. 7. 1. ŀ 3 57 ŀ 3 15 16 ŀ 1. 1. Z 82 - 40 1. . 3 92 1. 3 93 1. ŀ Ą TOTAL IND. TOTAL IND. **~**1 _1 _1 TOTAL DEP. TOTAL DEP. TOTAL * MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office FORM PTO-2022 (1-98)